

Docket No. Q63893 Reply to Notice Re: Drawings dated August 2, 2006 Replacement Sheet

DETAILED PARAMETERS

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| PROTOCOL SPACE | •••••• |
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FIG. 1

OPTIMAL TREATMENT PROTOCOL

Docket No. Q63893 Reply to Notice Re: Drawings dated August 2, 2006 Replacement Sheet 2.1 2.2 2.3 MODEL BIOLOGICAL PATIENT-SPEC. PROCESS-GENERAL MODEL TREATMENT **CLINICAL** (POPULATION MEAN **PARAMETERS EFFECTS** PARAMETERS) (AMBULATORY) COMPLETE DETAILED THE BIOLOGICAL PROCESS MODEL CAN BE GENERAL OR PATIENT TAILORED INPUT SCENARIO **PROTOCOL PARAMETERS** 2.5 **SPACE** THESE PARAMETERS (DOSING INTERVALS, DOSING DURATION, DRUG QUANTITY...) ARE ACTUALLY NOT INPUTED BY THE USER. THE COMPUTER **APPLY FITNESS GENERATES THE PROTOCOL FUNCTION** SPACE BY ITSELF. 2.6 SEARCH 2.7 **HEURISTICS** (OPTIMIZATION) **DEFINE SPECIFIC PARAMETERS USER'S OBJECTIVES OPTIMAL** TREATMENT 2.8 **PROTOCOL**

FIG. 2A

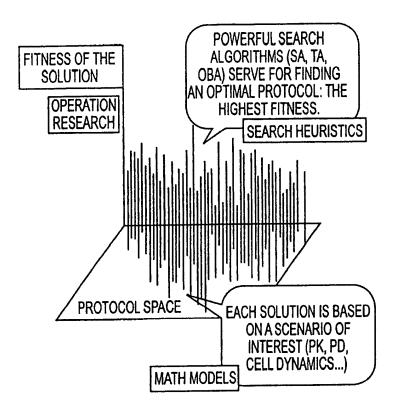


FIG. 2B

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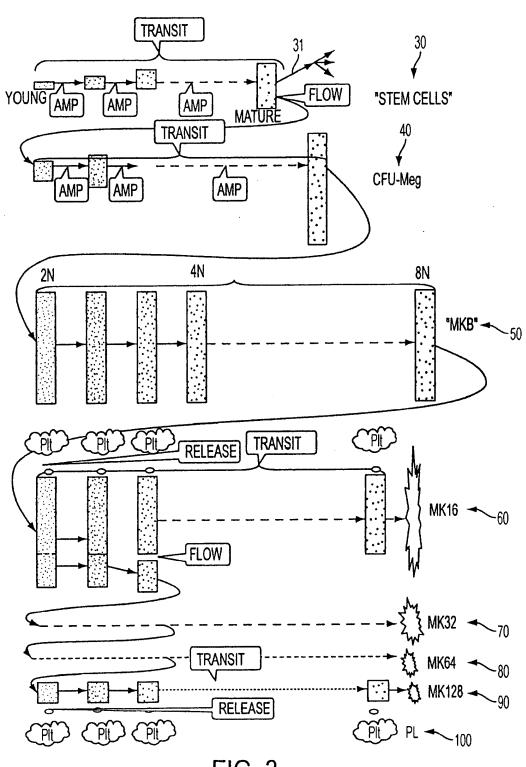


FIG. 3

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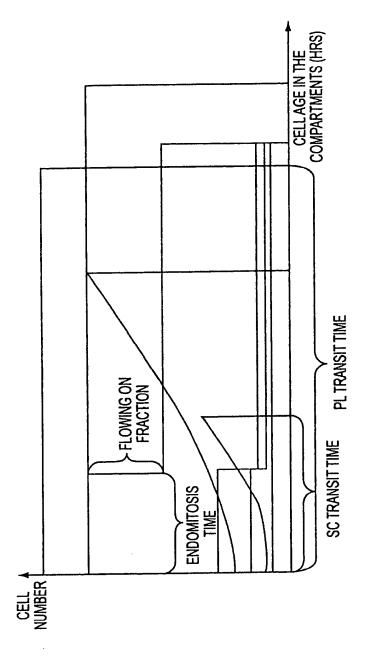


FIG. 5

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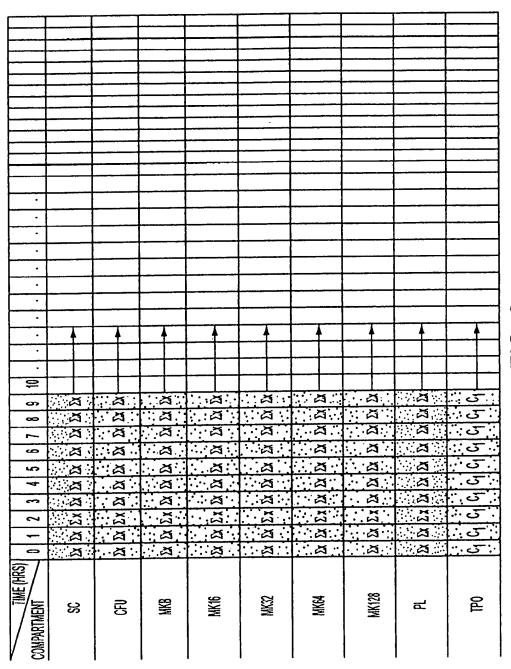
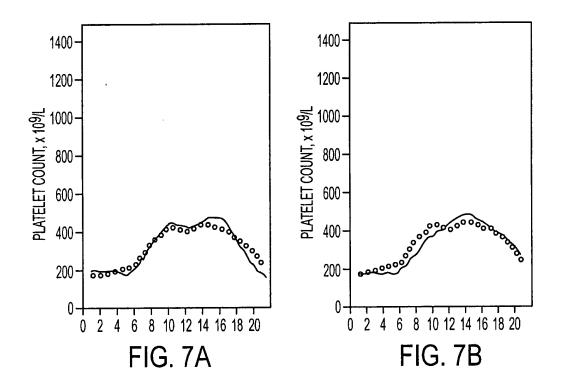
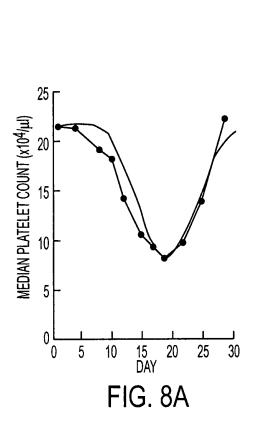
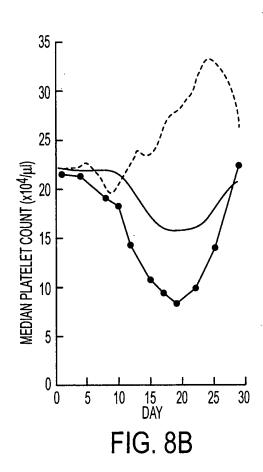


FIG. 6







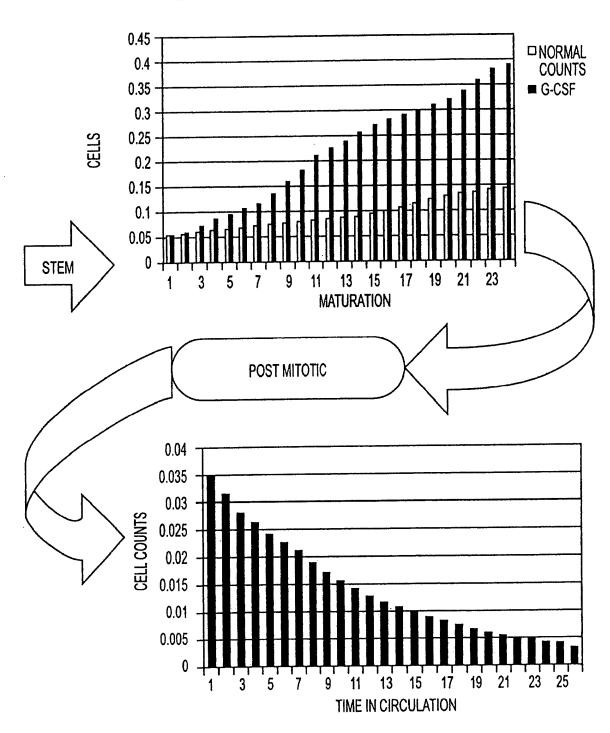


FIG. 9

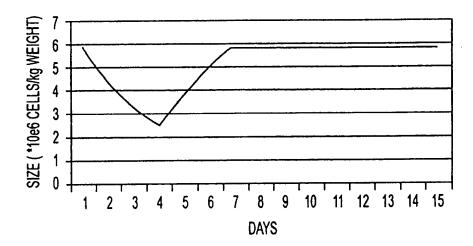
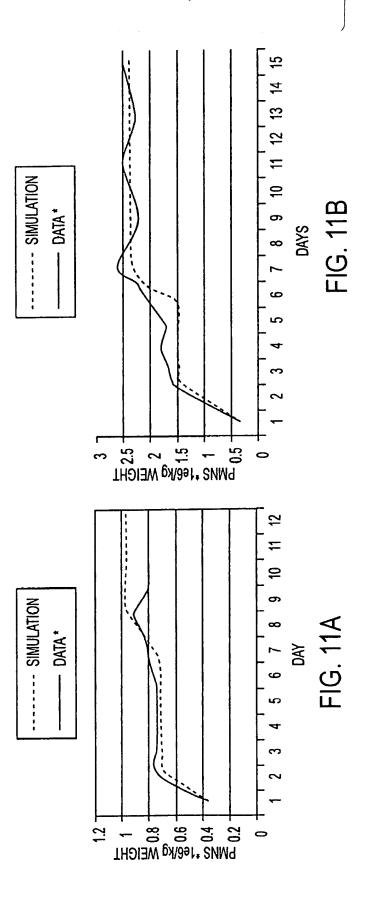


FIG. 10



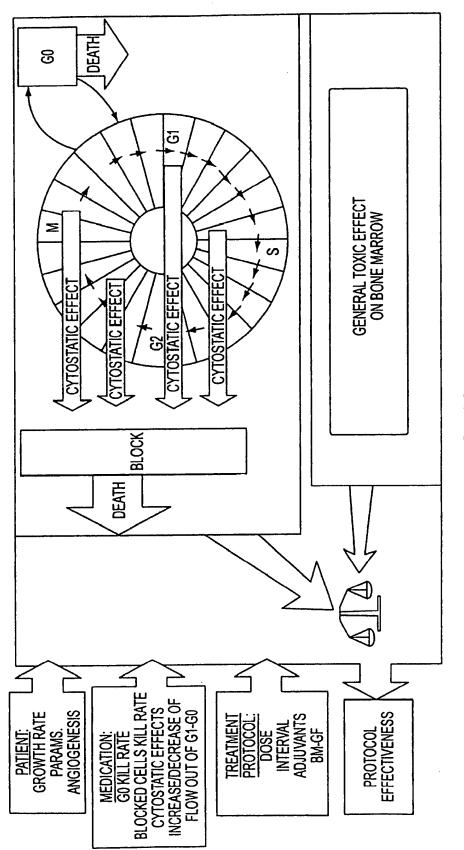


FIG. 12

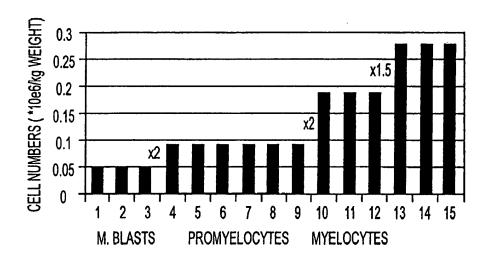


FIG. 13

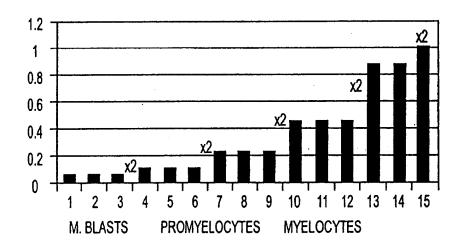


FIG. 14